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Key Vehicle Info *Gasoline*

Vehicles Used
62, 63, 64

Chassis
E-450

Drive Train
Ford 6.8L

Key Vehicle Info *Diesel*

Vehicles Used
70, 71

Chassis
E-450

Drive Train
Ford 6.0L

Key Vehicle Info *Hybrid*

Vehicles Used
83, 84, 85, 86

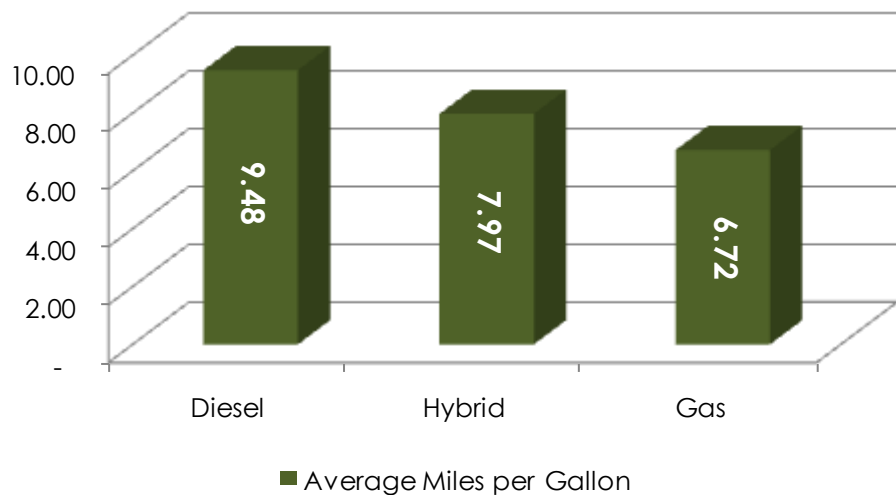
Chassis
E-450

Drive Train
**Ford 5.4L
Azure Dynamics
Hybrid Conversion**

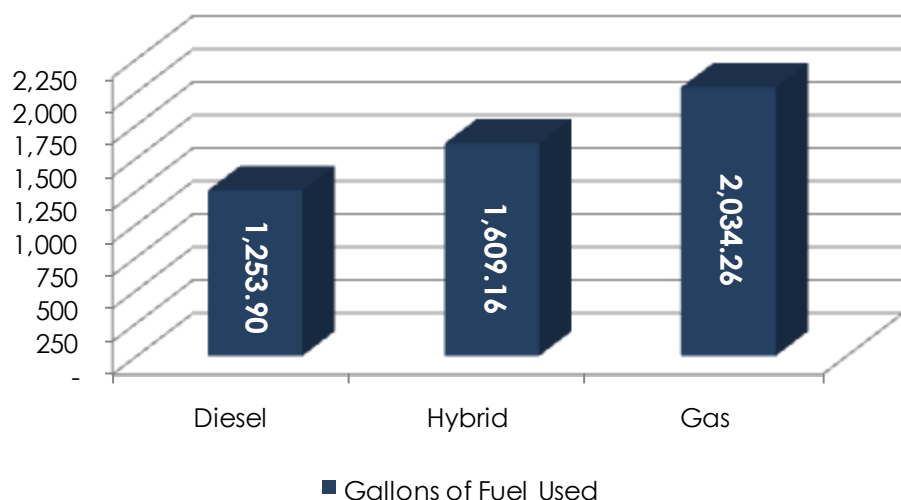
CTC Hybrid Bus MPG Report

This report outlines the efficiency of 9 light transit vehicles operated by the Clermont Transportation Connection. The intent of this report is to provide other transit systems with information about the efficiency of vehicles available for purchase. The vehicles were all used in a fixed route style of service, except CT-83, which was used on demand response service. The different types of vehicles did travel different amounts of miles, but this does not effect the average MPG. It is also important to note that the hybrid buses were still very new to CTC which is why they have a much higher amount of out of service time. Once we adapted to the new vehicles they have proven to be just as reliable as any other bus type.

Average Miles per Gallon



Number Gallons of Fuel Used



Conclusion

The purpose of this report was to evaluate the efficiency of hybrid LTV's vs Gas and Diesel. We DO NOT believe this is representative of all hybrid vehicles. For our application we believe Diesel is and will continue to be the most efficient fuel. The downside is that diesel's have higher maintenance costs and diesel fuel is more expensive than gasoline. We feel that hybrid vehicles in this size category need more development to be better than diesel, but are superior to gasoline only vehicles. A diesel hybrid in this size category has the potential to provide significant savings. No such vehicle existed at the time of this report.



Data

	Bus Number	Gallons Used	Fuel Cost	Miles Traveled	Days Out of Service	Average MPG	Vehicle Out of Service Dates in 2010	
Gas	CT-62G	2,177.30	\$ 5,607.89	13,797	18 Days	6.34	05/01-05/06	05/26-06/09
	CT-63G	1,812.76	\$ 4,666.29	12,713	16 Days	7.01	05/01-05/05	07/05-07/12 08/26-08/31
	CT-64G	2,112.72	\$ 5,436.24	14,384	27 Days	6.81	05/11-05/17	06/25-06/29 08/11-08/19 09/17-09/28
		2,034.26	5,236.81	13,631.33	61 Days	6.72		
Diesel	CT-70	1,054.59	\$ 2,781.54	9,603	44 Days	9.11	05/10-05/25	06/08-07/08
	CT-71	1,453.21	\$ 3,815.10	14,319	33 Days	9.85	08/12-09/15	
		1,253.90	3,298.32	11,961.00	77 Days	9.48		
Hybrid	CT-83	2,273.10	\$ 5,853.54	18,211	0 Days	8.01		
	CT-84	1,285.62	\$ 3,323.97	10,665	38 Days	8.30	08/24-09/30	
	CT-85	1,063.27	\$ 2,690.45	8,146	88 Days	7.66	05/01-07/28	
	CT-86	1,814.66	\$ 4,694.64	14,386	53 Days	7.93	05/01-06/23	
		1,609.16	4,140.65	12,852.00	179 Days	7.97		